

## CLAIMS

What is claimed is:

1. A scheduling mechanism for controlling packet data from multiple types of data sources, including data sources having reroutable data and data sources having non-reroutable data, the multiple types of data sources flowing into a multiuser channel in a wireless spread spectrum code division multiple access communication system, the mechanism comprising:

a queue associated with the multiuser channel having an input configured to receive incoming packet data from a plurality of data source queues, the multiuser channel queue outputting the received packet data for transmission over the multiuser channel;

the plurality of data source queues, each data source queue uniquely associated with each data source and having an input configured to receive data from that queue's data source, each data source queue capable of varying its capacity; and

wherein the varying capacity of each data source queue changes based on in part an availability of the multiuser channel queue.

2. The mechanism of claim 1 wherein the varying capacity of each data source queue decreases as the multiuser channel availability increases and increases as the multiuser channel availability decreases.